

Table W1. Viral and Control Cocktail Components.

Laboratory Designation	Addgene No. or Other ID	Hyperlink
Viral cocktail		
A	shBRCA1-308*	<i>Homo sapiens</i> breast cancer 1, early onset (BRCA1) ... — Nucleotide result
C	shBRCA1-4590†	<i>Homo sapiens</i> breast cancer 1, early onset (BRCA1) ... — Nucleotide result
S	1774	Addgene — pBABE-neo-hTERT plasmid data
T	9058	Addgene — pBABE-hygro p53 DD plasmid data
EE	9051	Addgene — pBABE puro H-Ras V12 plasmid data
GG	11129	Addgene — pbabe-cyclin D1 + CDK4R24C plasmid data
MM	18773	Addgene — MSCV Myc T58A puro plasmid data
PP	13970	Addgene — pBABE-puro SV40 LT plasmid data
AA	10668	Addgene — pBABE GFP plasmid data
Control cocktail		
AA	10668	Addgene — pBABE GFP plasmid data
G	pMMP-mir-gl2shRNA	
Q	pBabe-puro (empty vector)	

*Sequence: 5'-TGCTGTTGACAGTGAGCG CCCACAAAGTGTGACCACATAT TAGTGAAGCCACAGATGTA ATATGTGGTCACACTTGTGGA TGCTACTGCCTCGGA.

†Sequence: 5'-TGCTGTTGACAGTGAGCG CGGAGCTGGACACCTACCTGAT TAGTGAAGCCACAGATGTA ATCAGGTAGGTGCCAGCTCCT TGCTACTGCCTCGGA.

Table W2. Antibody Information for Immunohistochemistry.

Target	Vendor	Catalog No.	Dilution
p53	Dako	M7001	1:10
Cytokeratin 7	Dako	M7018	1:800
Cytokeratin 20	Dako	M7019	1:100
WT1	Thermo Scientific	PA1-38864	1:2
PAX8	ProteinTech Group	10336-1-AP	1:200
HE4 (WFDC2)	Abcam	ab24480	1:40

Dako, Carpinteria, CA; ProteinTech, Chicago, IL; Abcam, Cambridge, MA.

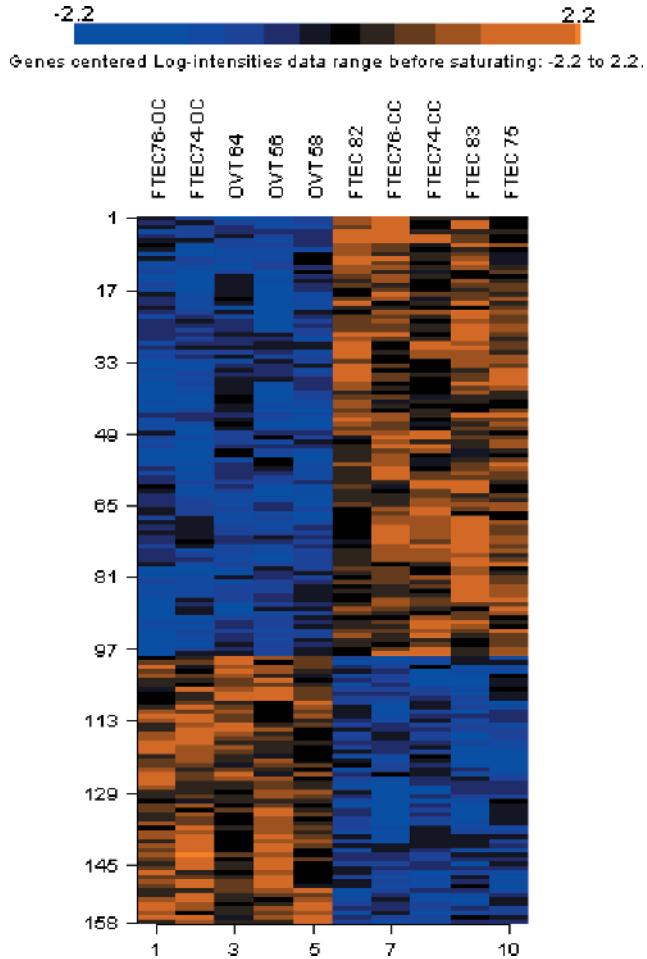


Figure W1. Hierarchical clustering of malignant signature. A total of 158 genes differentiating FTEC-OC and primary serous ovarian cancers from FTEC-CC and untreated normal primary FTEC were identified using *F* test ($P < .005$) and subjected to hierarchical clustering. Expression levels of each gene are presented in Table W3.

Figure W1. (continued).

32	239218	at	NA	NA	NA	730755	69	231382	at	FGF18	fibroblast	g	8817
33	1555673	^a	LOC73075	keratin ass		392	70	206987	x	FGF18	fibroblast	g	8817
34	202117	at	ARHGAP1	Rho GTPa:		11227	71	211029	x	FGF18	fibroblast	g	8817
35	236129	at	GALNT5	UDP-N-ace		57381	72	222281	s	NA	NA	NA	
36	235489	at	RHOJ	ras homolo		2861	73	232720	at	LINGO2	leucine rich		158038
37	243481	at	RHOJ	ras homolo		122525	74	227750	at	KALRN	kalirin, Rhc		8997
38	209631	^s	GPR37	G protein-c		64788	75	202687	s	TNFSF10	tumor necr		8743
39	235369	at	C14orf28	chromoson		10945	76	203895	at	PLCB4	phospholip		5332
40	1555575	^a	KDELR1	KDEL (Lys		2009	77	203896	s	PLCB4	phospholip		5332
41	46142	at	LMF1	lipase matu		3423	78	214329	x	TNFSF10	tumor necr		8743
42	202952	^s	ADAM12	ADAM met		1284	79	203157	^s	GLS	glutaminas		2744
43	204797	^s	EML1	echinodern		8038	80	228101	at	APBA1	amyloid be		320
44	202439	^s	IDS	iduronate 2		57616	81	225807	at	JUB	jub, ajuba t		84962
45	215836	^s	NA	NA	NA	126917	82	238827	at	NA	NA	NA	
46	211966	at	COL4A2	collagen, ty		9902	83	236038	at	NA	NA	NA	
47	223095	at	MARVELD	MARVEL d		493869	84	209453	at	SLC9A1	solute carri		6548
48	228141	at	GPX8	glutathione		79627	85	230119	at	NA	NA	NA	
49	223392	^s	TSHZ3	teashirt zin		57384	86	244708	at	FLJ33996	hypothetica		283401
50	242873	at	NA	NA	NA	57616	87	236364	at	NA	NA	NA	
51	225615	at	IFFO2	intermediat		55384	88	1555028	^a	BRD3	bromodom		8019
52	37408	at	MRC2	mannose r		9162	89	228728	at	C7orf58	chromoson		79974
53	219582	at	OGFRL1	opioid grow		50863	90	219610	at	RGNEF	190 kDa g		64283
54	239817	at	NA	NA	NA	50863	91	227657	at	RNF150	ring finger		57484
55	201283	^s	TRAK1	trafficking p		50863	92	239582	at	PML	promyeloc		5371
56	229557	at	MEG3	maternally		50863	93	1558622	^a	ZNF548	zinc finger		147694
57	206806	at	DGKI	diacylglyce		50863	94	238417	at	PGM2L1	phosphoglu		283209
58	214803	at	NA	NA	NA	50863	95	1598	^g	at	GAS6	growth arre	2621
59	230669	at	RASA2	RAS p21 p		5922	96	208712	at	CCND1	cyclin D1		595
60	228885	at	NA	NA	NA	50863	97	210642	at	CCIN	calicin		881
61	202688	at	TNFSF10	tumor necr		50863	98	243795	^s	LOC44090	hypothetica		440900
62	203662	^s	TMOD1	tropomodu		50863	99	206577	at	VIP	vasoactive		7432
63	226069	at	PRICKLE1	prickle hor		50863	100	234977	at	ZADH2	zinc bindin		284273
64	226065	at	PRICKLE1	prickle hor		50863	101	1555167	^s	NAMPT	nicotinamic		10135
65	230708	at	PRICKLE1	prickle hor		50863	102	210854	x	SLC6A8	solute carri		6535
66	222020	^s	NTM	neurotrimin		26011	103	1566518	^a	NA	NA	NA	
67	227566	at	NTM	neurotrimin		50863	104	216857	at	NA	NA	NA	
68	213273	at	ODZ4	odz, odd O		50863	105	227757	at	CUL4A	cullin 4A		8451

Figure W1. (continued).

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106	225942	at	NLN	neurolysin	57486
107	1564315	ε	C8orf49	chromoson	606553
108	203036	s	MTSS1	metastasis	9788
109	212849	at	AXIN1	axin 1	8312
110	239042	at	TSR1	TSR1, 20S	55720
111	212434	at	GRPEL1	GrpE-like 1	80273
112	212656	at	TSFM	Ts translati	10102
113	216411	s	NA	NA NA	
114	1555804	ε	YSK4	YSK4 Sps'	80122
115	210215	at	TFR2	transferrin	7036
116	207463	x	PRSS3	protease, s	5646
117	213421	x	PRSS3	protease, s	5646
118	225078	at	EMP2	epithelial m	2013
119	213226	at	CCNA2	cyclin A2	890
120	221957	at	PDK3	pyruvate d	5165
121	211561	x	MAPK14	mitogen-ac	1432
122	216014	s	NA	NA NA	
123	217973	at	DCXR	dicarbonyl/	51181
124	1553031	ε	GPR115	G protein-c	221393
125	213449	at	POP1	processing	10940
126	207558	s	PITX2	paired-like	5308
127	225862	at	SLC25A26	solute carri	115286
128	236146	at	SYNCRIP	synaptotag	10492
129	206947	at	B3GALT5	UDP-Gal:b	10317
130	223292	s	MRPS15	mitochondr	64960
131	231182	at	WIPF1	WAS/WAS	7456
132	1569588	x	PIK3C2A	phosphoino	5286
133	217558	at	CYP2C9	cytochrome	1559
134	241606	s	TRUB1	TruB pseud	142940
135	203759	at	ST3GAL4	ST3 beta-g	6484
136	231099	at	FKBP15	FK506 binc	23307
137	230825	at	NA	NA NA	
138	213309	at	PLCL2	phospholip	23228
139	1555553	ε	SLC22A7	solute carri	10864
140	235412	at	ARHGEF7	Rho guanir	8874
141	205449	at	SAC3D1	SAC3 dom	29901
142	218443	s	DAZAP1	DAZ assoc	26528
143	243526	at	WDR86	WD repeat	349136
144	243033	at	TWF1	twinfilin, ac	5756
145	1556558	s	FLJ36665	hypothetica	285266
146	204798	at	MYB	v-myb mye	4602
147	214664	at	PAICS	phosphorib	10606
148	216298	at	NA	NA NA	
149	233670	at	NA	NA NA	
150	240863	at	CYP19A1	cytochrome	1588
151	229446	at	NA	NA NA	
152	214540	at	HIST1H2B	histone clu	8348
153	227925	at	FLJ39051	hypothetica	399972
154	1554314	ε	C6orf141	chromoson	135398
155	1560460	ε	NA	NA NA	
156	244523	at	MMD	monocyte t	23531
157	218590	at	C10orf2	chromoson	56652
158	220616	at	ZNF384	zinc finger	171017

Figure W1. (continued).

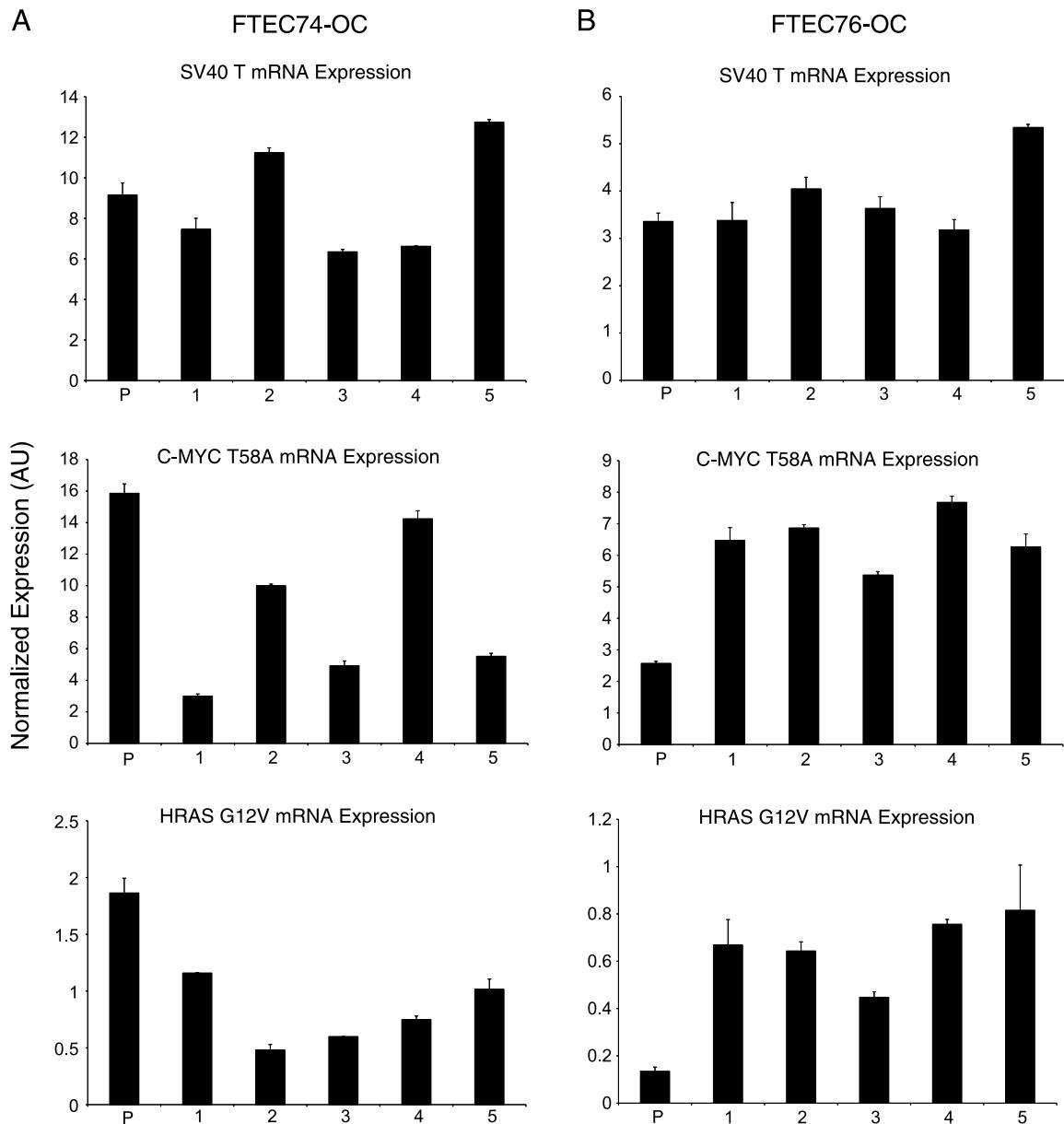


Figure W2. Clonal analysis of transformed FTEC lines. Expression levels of SV40 T, HRAS G12V, and C-MYC T58A in the parental (P) and five clonal sublines (numbered 1–5) of FTEC74-OC (A) and FTEC76-OC (B) using real-time RT-PCR. Error bars represent SD of replicates.